

## Biology Test Review

### Key Terms:

Cell	organelle	chromosome	DNA
gene	cloning	mutation	mutagen
mitosis	prophase	metaphase	anaphase
telophase	cytokinesis	interphase	cell cycle
cancer	tissue	organ	meristematic cell
gall	root	shoot	stem cell

Apart from the terms above you should know the following from Chapters 1, 2 and 3

### 1.1- Cell Structure

- Know all of the parts of the cell that we discussed and what they do.
- Know the Cell Theory
- Know the difference between plant and animal cells

### 1.2- Nucleus

- Know all the parts of nucleus including chromosomes, DNA, genes,
- Know about mutations and mutagens
- Know about cloning and how it is done

### 1.3- Mitosis

- Know all the phases of mitosis (Interphase, PMAT, interphase)
- Know the difference between plant and animal cells during cytokinesis

### 1.4 Cell Cycle

- Know the various checkpoints of the stages of a cell as well as cell death
- Know how tumour and cancer cells behave

### 2.1 Plant cells, tissues and organs

- Know the types of tissue found in a plant
- Know how a leaf converts energy from the sun into sugars and oxygen
- Know everything about Xylem and Phloem

### 2.2- Plant Organ Systems

- Know how the various organs work together to make a fully functioning plant
- Know how water pressure and transpiration work

3.1-

- Know about stem cells and how they work
- Know about the different types of tissues and the process of cell differentiation

Class presentations-

- From this section, make sure you know what the main purpose of the organ systems are and how they work.

Recommended Questions

Pg 128- 130 # 1-3, 5, 6, 9-12, 17, 20, 23, 26- 30, 32